

Protocol Stacks proposed for High Speed Signalling Links

МТРЗ (Q.704) MTP-2 (0.703)MIP-1 (G.703)

current Narrow-Band protocol stack (64 kbit/s)

MTP-3b (0.22107)MTP-2HSL (Q.703 ANNEXA) MTP-1 (e.g. T1, E1)

AT&T proposal protocol stack for High Speed Signalling Links)

MTP-3b (0.2210)SSCF-NN (Q.2140) SSCOP (Q.2110) Framing (Q.2119, Q.922 Annex A)

(e.g. T1, E1) proposed protocol stack for High Speed

Physical Layer

Signalling Links using Frame Relay Core Service

MTP-3b (Q.2210)

SSCF-NN (Q.2140)

> SSCOP (Q.2110)

AAL-5 (I.363, § 6)

ATM layer (1.361)Limited Use

Physical Layer (e.g. T1)

Bellcore proposal protocol stack for High Speed Signalling Links using Broad-Band protocol stack (1.544 MBit/s)

MTP-3b (Q.2210) SSCF-NIN (0.2140)SSCOP (Q.2110)AAL-5 (1.363, § 6) ATM layer (1.361)Physical Layer

current Broad-**Band protocol** stack

(1.432)

SSCF-NNI: Service Specific Coordination Function at the Network Node

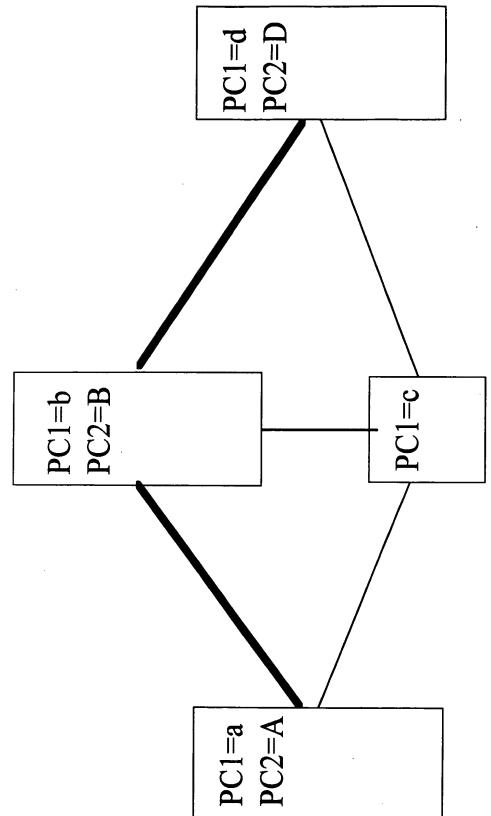
Interface

SSCOP: Service Specific Conncetion

Oriented Protocol

FIG 1

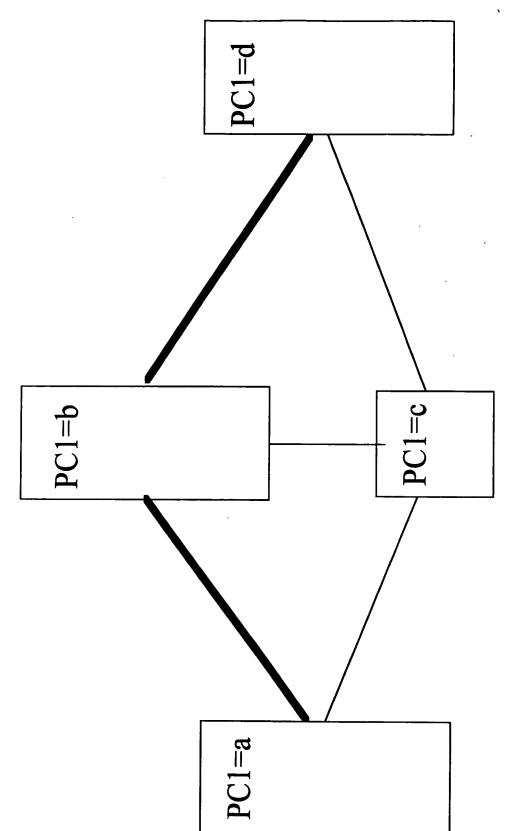
Figure 2 - physical network configuration



PC1 point code 1 (narrowband point code)
PC2 point code 2 (broadband point code)

link/linkset based on SSCOP (Q.2110) link/linkset based on MTP level 2 (Q.703)

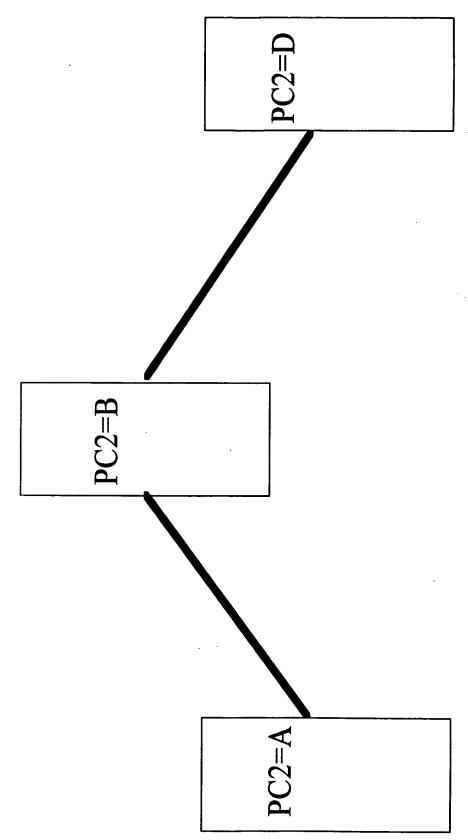
Figure 3 - logical network for short messages



PC1 point code 1 (narrowband point code)

link/linkset based on SSCOP (Q.2110) link/linkset based on MTP level 2 (Q.703)

Figure 4 - logical network supporting long messages



PC2 point code 2 (broadband point code)

link/linkset based on SSCOP (Q.2110)